

ESO 010 EAC tec treball rec i ref

Data: 26/06/2024

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1 ESO / Technology / Summer Homework Student:	Activities / Course: Date:
1st TERM: The Technological Process an	d Projects
•	
1 Fill in the blanks in this paragraph with	•
** *	ects and d strategies that
r our problems and	•
• .	of various stages organised to
o a solution to a problem of	or need.
2 Write good examples of the needs of g	orimitive men and wemen
Give at least 3 Basic needs	Give at least 3 Secondary needs
Civo at loadt o Badio Hoods	Give at least 6 coornary floods

4.- Match each number with the appropriate letter

tool	function		
a. straight ruler	1) we use it to draw marks on the wood strip		
b. carpenter's ruler	2) we use it to help adjusting the clamp to the table		
c. saw	3) we use it to draw lines on the wood strip before sawing		
d. hammer	4) we use it to hold the wood on the table		
e. clamp	5) we use it to "cut" the wood strip in pieces		
Answers a	b c d e		

- 5.a) Name the seven steps you should follow to develop your project.
- 5.b) Explain, with your own words, the following steps of a project:
- a) Specify the Need
- b) Brainstorm
- c) Recycling
- d) Verification/Test
- e) Design





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	6	Classify	the !	following	words	in	this	grid
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Seeds / farm / Steam / Horticultural / bones / Satellites / horseshoes / shape / Industrial / Hunter-gatherer /

Type of society/characteristics	New technology that marked a turning point	Objects or systems developed
societies	Ability to a stone	Use of natural objects (stones,), making axes and spears
societies	Use of animals	Use of and planting
Agricultural-urban societies	Use of ploughs	Ploughing,, windmills
societies	Use of machines	Steam engines, batteries, radios, etc.
Post-industrial societies	Invention of transistors	, mobile phones, etc.

+++++++++++++	+++++++++++	+++++++++++	++++++++++++	++++++++++++++

2nd TERM: Graphic Expression and (3-view) orthographic drawing

- 1. Complete these sentences using the right words:
- a) Pencils have (en català, "mines") of different hardness in a scale that ranges from "B" to "H".
- b) The most common protractor has degrees.
- c) We use compass to draw circumferences and
- d) The space between the two points of the compass is the of the circle.
- e) (en català, "escaire") is a right-angle isosceles triangle with one angle of 90° and two of degrees.
- 2.a) Give five examples of things that you would scale down to draw them in a DIN A4 paper and...
- 2.b) five examples of things that you would scale up to draw them in a DIN A4 paper.

a) 5 things to be scaled down	b) 5 things to be scaled up





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3. Write "T" (for true) or "F" (for false the sentence false, then explain how		
a) The softer the pencil, the faster it	consumes	
b) We use protractors to draw paralle	el lines	
c) A sketch is a freehand drawing of	an object	
d) The 3 views we use to show an o	bject are Plan (or Top), Back	and Side
e) The scale 1:20 means that the dra	awing is 20 times bigger than	the real dimensions
•		
 5 Using as a reference the line at the line	om the left	

6.- Trace three concentric circles (1st radius=2cm; 2nd radius=3cm; 3rd radius=3,5 cm) with their centre at the cross.





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3rd TFRM:	Materials	For Technical	Use & Woo	Ы
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1. Fill the gaps with the appropriate words:

a) A mate b) A mate				
available for making other			IIOIII a law l	
c) Fill the following boxes		5		
Raw material transfe	ormed into		a new proces	ssed material
Wood		iuioo		
milk		juice		
Iron ore				
11011010		hamb	ourger	
		ı		
2 Find the words that m	atch these definitio	ns:		
Definition			Defined word	Opposite word
			(written as an	(written as an
a difficult to constab			adjective)	adjective)
a difficult to scratch				
b easily broken by shock	h - easily hroken by shocks			
an easily areness by ensure				
c squeezing into a thin new shape when				
compressed				
d able to conduct electricity				
e changing its shape when we apply forces on it				
but recovering the original shape when forces stop				
3 Match the properties	with their explana	tion.		
properties			explanation	
a Electrical conductor	1 is_the ability of a material to be pushed through a hole			l through a hole
	that gives the desired shape			
b Mouldability			substance to dama	ge an organism
	by ingestion, inha	alation	or skin contact	
c Extrudability	3 - a material thr	ough w	vhich electrons car	n move
0 Extradability	J a material till	ough W	villon electrons car	THOVE
d - Toxicity	4 - is the capacit	v of a r	material to be used	Lagain to make



e.- Recyclability Answers:

5.- the ability of a material to fill a mould

another object



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4- **Classify these properties** into the appropriate column. NOTE: you only need to write the right letter in the proper box.

the right letter in the proper t				
(a) Density /(b) Freezing po	int / (c) Thermal conductivity /	(d) Melting point / (e) Electrical		
conductivity / (f) Extrudability	/ / (g) Recyclability / (h) Mould	dability / (i) Toxicity		
Technological properties	Ecological properties	Physical properties		
5 Fill the gaps with the pro	pper word:			
Wood is a				
It is composed of 2 types of				
a) fibres,	which act as the	of all plants, and		
b) fibres	which makes it and			
6 "3-view" Exercise. Rem	ember the following:			
a) use a ruler to draw the ou	tlines (silhouette) and partition	ns		
b) use the colour code and the number code, both in the perspective and the views.				
c) write the names of the vie	•	[C3] (10 points)		
880V A SELF-ADVOCATE		[00] (:0 poo)		
PIEZA Nº 5				
1 - T-1 - T-		1		
		1 1 1 1 1 1 1		
1.2				
		1		

